

SCOPE OF CLAIMS

1. A drive assisting apparatus for displaying an image around a vehicle, which is acquired by an on-vehicle camera, on a screen of an on-vehicle monitor, comprising:

a data table for storing thereinto locus data which contains locus display data and adjusting data, said locus display data being used to display a travel predicted locus of the vehicle corresponding to a steering angle of a steering wheel on the screen, and said adjusting data being used to adjust a display position of the travel predicted locus on the screen based upon said locus display data;

steering angle detecting means for detecting the steering angle of the steering wheel; and

drive assisting image producing means for reading out said locus data corresponding to the steering angle detected by said steering angle detecting means from said data table, for producing a drive assisting image by superimposing the travel predicted locus on the image around the vehicle based upon the locus display data and the adjusting data, which are contained in said read locus data, and for outputting said drive assisting image to said on-vehicle monitor.

2. A drive assisting apparatus as claimed in claim 1 wherein:

said drive assisting apparatus includes display position adjusting amount setting means for setting a value of the adjusting data contained in the locus data corresponding to said steering angle.

3. A drive assisting apparatus as claimed in claim 2 wherein:
based upon a value of adjusting data of said locus data with respect to a typical steering angle, said display position adjusting amount setting means calculates values of adjusting data of said locus data with respect to all of other steering angles.

4. A drive assisting apparatus as claimed in any one of claim 1 to claim 3 wherein:

said locus data stored in said data table contains initial position setting data used to set an initial position of the travel prediction locus based upon locus display data in addition to both the locus display data and the adjusting data.

5. A drive assisting apparatus as claimed in any one of claim 1 to claim 4 wherein:

said data table stores thereinto a plurality of different locus data sets as to a pan angle, or a roll angle as the locus data corresponding to the steering angle.

6. A drive assisting method for displaying an image around a vehicle, which is acquired by an on-vehicle camera, on a screen of an on-vehicle monitor, comprising:

a step for forming display data which is used to display a travel prediction locus of a vehicle corresponding to a steering angle of a steering wheel on the screen of said on-vehicle monitor

in a superimposing manner;

a step for setting adjusting data used to adjust a display position of said travel prediction locus; and

a step for adjusting the display position of the travel prediction locus formed based upon the display data corresponding to the steering angle of the steering wheel in connection to steering operation of the steering wheel based upon said adjusting data, and for displaying the position-adjusted travel prediction locus on the screen of the on-vehicle monitor in the superimposing manner.